Product Catalogue and Reference Guide

C.BCOBK





Producer of GIBCO BRL Products

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Base Catalogue No. Component	12571 1X Liquid mg/L	11900 Powder mg/L	12561 1X Liquid mg/L	12000 Powder mg/L	32571 1X Liquid mg/L	32561 1X Liquid mg/L	41061 1X Liquid mg/L
NORGANIC SALTS:		41-11-10-1	a da a	Slana			
aCl, (anhyd.)	200.00	200.00	200.00	200.00	13	10 (12 <u>1</u>)	200.00
aCl ₂ • 2H ₂ O	- 0.00				264.00	264.00	_
(CI	400.00	400.00	400.00	400.00	400.00	400.00	400.00
MgSO, (anhyd.)	97.67	97.67	97.67	97.67	_	_	97.67
/gSO₄ • 7H₂O		د د د ف	معي كوروا		200.00	200.00	·
laCl	6800.00	6800.00	6800.00	6800.00	6800.00	6800.00	6800.00
laHCO ₂	2200.00	1.2	2200.00	- 1-14	2200.00	2200.00	2200.00
VaH ₂ PO₄ • H ₂ O	140.00	140.00	140.00	140.00	_	_	140.00
iaH,PO, • 2H,O	1.1		- 1 <u>-</u> 1.	<u>-</u> -	158.00	158.00	
THER COMPONENTS:							
)-Glucose	1000.00	1000.00 *	1000.00	1000.00	1000.00	1000.00	1000.00
ipoic Acid	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Phenol Red	10.00	10.00	10.00	10.00	10.00	10.00	- 3
Sodium Pyruvate	110.00	110.00	110.00	110.00	110.00	110.00	110.00
MIND ACIDS:			• ."				
-Alanine	25.00	25.00	25.00	25.00	25.00	25.00	25.00
-Arginine • HCI	126.00	126.00	126.00	126.00	127.00	127.00	126.00
-Asparagine • H ₂ O	50.00	50.00	50.00	50.00	50.00	25.00	50.00
-Aspartic Acid	30.00	30.00	30.00	30,00	30.00	30.00	30.00
-Cystine		_	-	-01	24.00	24.00	_
-Cystine • 2HCI	31.00	31.00	31.00	31.00	M = _	<u></u>	31.00
-Cysteine HCI	- ·	<u>-</u> -,	-	i	100.00	100.00	× <u>-</u>
-Cysteine HCI • H ₂ O	100,00	100.00	100.00	100.00			100.00
-Glutamic Acid	75.00	75.00	75.00	75.00	75.00	75.00	75.00
-Glutamine	292.00	292.00	292.00	292.00	_	_	292.00
Alanyl-L-Glutamine			•	_	434.00	434.00	_
Slycine	50.00	50.00	50.00	50.00	50.00	50.00	50.00
-Histidine HCI • H,O	42.00	42.00	42.00	42.00	42.00	42.00	42.00
-Isoleucine	52.00	52.00	52.00	52.00	53.00	53.00	52.00
-Leucine	52.00	52.00	52.00	52.00	52.00	52.00	52.00
-Lysine • HCl	73.00	73.00	73.00	73.00	73.00	73.00	73.00
-Methionine	15.00	15.00	15.00	15.00	15.00	15.00	15.00
-Phenylalanine	32.00	32.00	32.00	32.00	32.00	32.00	32.00
-Proline	40.00	40.00	40.00	40.00	40.00	40.00	40.00
-Serine	25.00	25.00	25.00	25.00	25.00	25.00	25.00
-Threonine	48.00	48.00	48.00	48.00	48.00	48.00	48.00
-Tryptophan	10.00	10.00	10.00	10.00	10.00	10.00	10.00
Tyrosine	A 20 €	_		_ :	36.00	36.00	3
L-Tyrosine (disodium salt)	52.00	52.00	52.00	52.00	- 20	. ·;	52.00
L-Valine	46.00	46.00	46.00	46.00	46.00	46.00	46.00

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	Nutrient Mix	ttere tre			
Base Catalogue No.	11765	11059	21016	21700 Davidor	31765
Component	1X Liquid mg/L	1X Liquid mg/L	1X Liquid mg/L	Powder mg/L	1X Liquid mg/L
INORGANIC SALTS:		-		H	
CaCl ₂ (anhyd.)	33.22	33.22	33.22	33.22	_
CaCl ₂ • 2H ₂ O	_		* _	_	44.00
CuSO ₄ • 5H ₂ O	0.0024	0.0024	0.0024	0.003	0.0024
•	0.83	0.83	0.83	0.83	0.83
FeSO₄ • 7H₂O	223.60	223.60	223.60	223.60	223.60
KCI	57.22	57.22	57.22	57.22	
MgCl ₂ (anhyd.)	-	_	_	_	122.00
MgCl ₂ • 6H ₂ O	7599.00	7599.00	7599.00	7599.00	7599.00
NaCl	1176.00	1176.00	1176.00	_	1176.00
NaHCO ₃	142.00	142.00	142.00	142.00	142.00
Na ₂ HPO ₄ (anhyd.)	0.86	0.86	0.86	0.863	0.86
ZnSO ₄ • 7H ₂ O	0.00	0.00	0.00		
OTHER COMPONENTS:	1802.00	1802.00	1802.00	1802.00	1802.00
D-Glucose	1002.00	-		-	4.00
Hypoxanthine	- 4.77	- 4.77	4.77	4.77	-
Hypoxanthine • Na	0.084	0.084	0.084	0.084	0.084
Linoleic Acid		0.084	0.064	0.084	0.004
Lipoic Acid	0.21	U.21 -	1.20	1.20	1.20
Phenoi Red	1.20			0.161	0.161
Putrescine 2HCI	0.161	0.161	0.161	110.00	
Sodium Pyruvate	110.00	110.00	110.00		110.00
Thymidine	0.70	0.70	0.70	0.70	0.70
AMINO ACIDS:			2.22	0.00	2.00
L-Alanine	8.90	8.90	8.90	8.90	8.90
L-Arginine • HCI	211.00	211.00	211.00	211.00	211.00
L-Asparagine • H ₂ O	15.01	15.01	15.01	15.01	-
L-Asparagine (free base)		-		-	13.00
L-Aspartic Acid	13.30	13.30	13.30	13.30	13.30
L-Cysteine HCI	_	-	-	-	36.00
L-Cysteine HCI • H ₂ O	35.12	35.12	35.12	35.12	-
L-Glutamic Acid	14.70	14.70	14.70	14.70	14.70
L-Glutamine	146.00	146.00	146.00	146.00	
L-Alanyl-L-Glutamine		-	. –	-	217.00
Glycine	7.50	7.50	7.50	7.50	7.50
L-Histidine • HCl • H₂O	21.00	21.00	21.00	21.00	21.00
L-Isoleucine	4.00	4.00	4.00	4.00	4.00
L-Leucine	13.10	13.10	13.10	13.10	13.00
L-Lysine • HCI	36.50	36.50	36.50	36.50	36.50
L-Methionine	4.50	4.50	-	4.50	4.50
L-Phenylalanine	5.00	5.00	5.00	5.00	5.00
L-Proline	34.50	34.50	34.50	34.50	34.50
L-Serine	10.50	10.50	10.50	10.50	10.50
L-Threonine	11.90	11,90	11.90	11.90	12.00
L-Tryptophan	2.00	2.00	2.00	2.04	2.00
L-Tyrosine	_	-	-	-	5.40
L-Tyrosine • 2Na • 2H ₂ O	7.81	7.81	7.81	7.81	-
L-Valine	11.70	11.70	11.70	11.70	11.70
VITAMINS:					
Biotin	0.0073	0.0073	0.0073	0.007	0.00
D-Ca Pantothenate	0.50	0.50	0.50	0.48	0.50
Choline Chloride	14.00	14.00	14.00	13.96	14.00
Folic Acid	1.30	1.30	1.30	1.30	1.30
i-Inositol	18.00	18.00	18.00	18.00	18.00
Niacinamide	0.036	0.036	0.036	0.037	0.03
Pyridoxine HCI	0.06	0.06	0.06	0.062	0.06
Riboflavin	0.037	0.037	0.037	0.038	0.03
Thiamine HCI	0.037	0.30	0.30	0.34	0.30
Vitamin B ₁₂	1.40	1.40	1.40	1.36	1.40
12	1.40	1.40	1.70	1.50	110

Nutrient Mixture, (Kaighn's Modific	F-12K' cation)
Base Catalogue No.	21127
Section of the second	1X Liquid
Component	mg/L
INORGANIC SALTS:	
CaCl, (anhyd.)	102.00
KH ₂ PO ₄	59.00
CuSO₄ • 5H₂O	0.002
FeSO, • 7H,0	0.80
KCI	285.00
MgCl ₂ (anhyd.)	49.70
MgSO₄	192.00
NaCl	7530.00
NaHCO ₃	2500.00
Na ₂ HPO ₄ (anhyd.)	115.50
ZnSO ₄ • 7H ₂ O	0.144
OTHER COMPONENTS:	
D-Glucose	1260.00
Hypoxanthine • Na	4.00
	0.21
Lipoic Acid Phenol Red	3.00
	0.32
Putrescine 2HCI	220.00
Sodium Pyruvate	
Thymidine	0.70
AMINO ACIDS:	10.00
L-Alanine	18.00
L-Arginine • HCI	422.00
L-Asparagine • H₂O	30.00
L-Aspartic Acid	26.60
L-Cysteine HCI • H ₂ O	70.00
L-Glutamic Acid	29.00
L-Glutamine	292.00
Glycine	15.00
L-Histidine • HCl • H ₂ O	45.80
L-Isoleucine	7.88
L-Leucine	26.20
L-Lysine • HCl	73.00
L-Methionine	8.96
L-Phenylalanine	9.92
L-Proline	69.00
L-Serine '	21.00
L-Threonine	23.00
L-Tryptophan	4.10
L-Tyrosine • 2Na • 2H ₂ O	13.50
L-Valine	23.00
VITAMINS:	
Biotin	0.07
D-Ca Pantothenate	0.50
Choline Chloride	14.00
Folic Acid	1.30
i-Inositol	18.00
Niacinamide	0.037
Pyridoxine HCl	0.06
Riboflavin	0.04
Thiamine HCI	0.30
Vitamin B ₁₂	1.40
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¹ Kaighn, M.E., Tissue Culture Methods and Applications, (1973), Kruse, P.F., and Patterson Jr., M.D., ed., p.54-58.

¹ Ham, R. G. (1965) Proc. Nat. Arad. Sci., 53, 288.